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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney

Docket No. 00497-09

Customer No. 34444

Art Unit No. 1653

Applicant: Zhonglin Hao, et al.

Invention: Sperm Specific Proteins

Serial No: 10/809,655

Filed: March 25, 2004

Certificate Under 37 CFR 1.8

Date of Deposit: May 20, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service as "First Class" service under 37 CFR 1.8 on the date indicated above addressed to Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450

Sue Ann Carr

**TRANSMITTAL OF SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.97(b)**

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith please find a supplemental Information Disclosure Statement for the above identified application, consisting of Form PTO/SB/08A and four (4) foreign patent documents; and Form PTO/SB/08B with copies of fourteen (14) references. The Information Disclosure Statement is being filed within three months of the filing date of the application.


Attorney Docket No. 00497-09
U.S. Application No. 10/809,655

Applicants request that the Examiner consider the references, determine their relevance to the present application, if any, and list the references on the face of any patent which may issue from the present application. Applicants further request that an initialed copy of Forms PTO/SB/08A and PTO/SB/08B be returned to applicants.

No fees are believed to be due for this submission. If this belief is in error, the Commissioner is hereby authorized to charge any fees due for this submission to Deposit Account No. 50-0423, as well as credit any refunds.

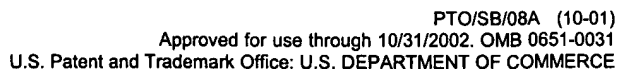
Respectfully submitted,

May 20, 2004



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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/809,655
Filing Date	03/25/2004
First Named Inventor	Zhonglin Hao
Art Unit	1653
Examiner Name	
Attorney Docket Number	00497-09

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Type of Document
		Country Code ³	-Number ⁴ -Kind Code ⁵ (if known)				
	1	WO	00/12708	03-09-2000	Genentech Inc.		
	2	WO	98/00486	01-08-1998	Procter & Gamble		
	3	WO	99/11293	03-11-1999	Human Genome Sciences, Inc.		
	4	WO	01/42451	12-07-2000	Genset		

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/809,655
		Filing Date	03/25/2004
		First Named Inventor	Zhonglin Hao
		Group Art Unit	1653
		Examiner Name	
Sheet 1 of 2	Attorney Docket Number	00497-09	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	Naz, Rajesh K: "Application of Sperm Antigens in Immunocontraception", <i>Frontiers in Bioscience</i> 1, e87-95, Sep. 1 (1996).	
	B	O'HERN, PATRICIA A. et al: "Reversible Contraception in Female Baboons Immunized with a Synthetic Epitope of Sperm-Specific Lactate Dehydrogenase", <i>Biology of Reproduction</i> , Vol. 52, pp 331-339, (1995).	
	C	DATABASE EMBL 'Online!', Accession Number AF203447, 12 Nov. 2000, HAO, Z. et al.; "Homo Sapiens sperm acrosome membrane protein SAMP32, mRNA, complete cds".	
	D	DATABASE EMBL 'Online!', Accession Number AW173256, 17 Nov. 1999, NATIONAL CANCER INSTITUTE, CANCER GENOME ANATOMY PROJECT (CGAP): "Homo Sapiens cDNA clone".	
	E	DATABASE EMBL 'Online!', Accession Number AA824354, 20 Feb 1998, NATIONAL CANCER INSTITUTE, CANCER GENOME ANATOMY PROJECT (CGAP): "Homo Sapiens cDNA clone".	
	F	DATABASE EMBL 'Online, Accession No. AA431165, 25 May 1997, HILLIER, L. ET AL.; "zw71g10.r1 Soares_testis_NHT Homo sapiens cDNA clone".	
	G	DATABASE GENESEQ [Online], Accession No. AAV63171, 12 Jan. 1999, AGOSTINO MJ, et al.: "cDNA from clone cf50_1 which encodes a secreted protein".	
	H	DATABASE GENESEQ [ONLINE], Accession No. AAA37094, 8 August 2000, BAKER, K et al.; "Human PRO1418 (UNQ732) cDNA Sequence SEQ ID NO:264".	
	I	DATABASE GENESEQ [ONLINE], Accession No. AAW80397, 12 January 1999, AGOSTINO MJ et al: "A Secreted Protein Encoded by Clone cf50_1".	
	J	DATABASE GENESEQ [ONLINE], Accession No. AAY99412, 8 August 2000, BAKER, K et al, "Human PRO1418 (UNQ732) Amino Acid Sequence SEQ ID NO:265".	
	K	CHEN, MICHELLEE S., et al.: "Role of the integrin-associated protein CD9 in binding between sperm ADAM 2 and the egg integrin $\alpha 6 \beta 1$: Implications for Murine Fertilization", <i>PNAS</i> , Vol 96, No. 21, pp 11830-11835, Oct 12 (1999).	

Examiner Signature	Date Considered
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/809,655		
		Filing Date	03/25/2004		
		First Named Inventor	Zhonglin Hao		
		Group Art Unit	1653		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	00497-09

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	L	LE NOIR, FRANCOIS, et al.: "Severely Reduced Female Fertility in CD9-Deficient Mice", SCIENCE, Vol. 287, Jan. 14 (2000).	
	M	DIEKMAN, ALAN B. et al.: "N-linked glycan of a sperm CD52 glycoform associated with human infertility", FASEB, Vol. 13, pp 1303-1308, Aug. (1999).	
	N	MIYADO, Kenji, et al.: "Requirement of CD9 on the Egg Plasma Membrane for Fertilization", SCIENCE, Vol 287, Jan 14, (2000).	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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